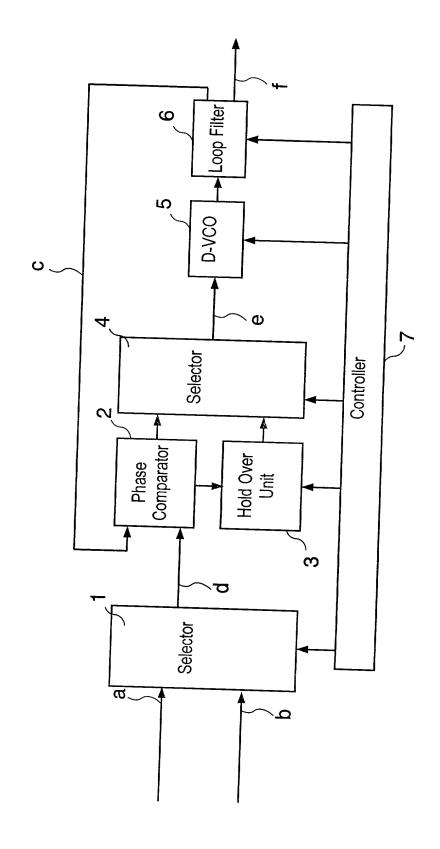
FIG. 1



4

FIG. 2

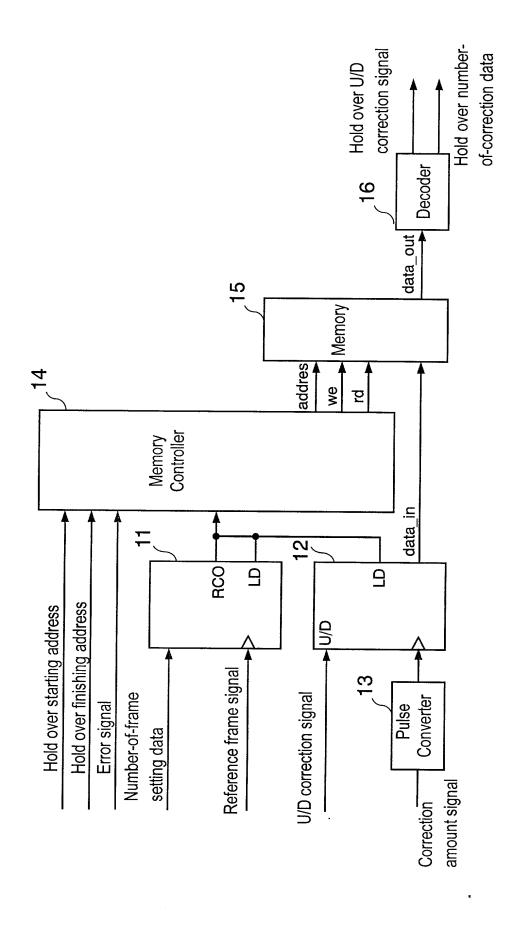


FIG. 3

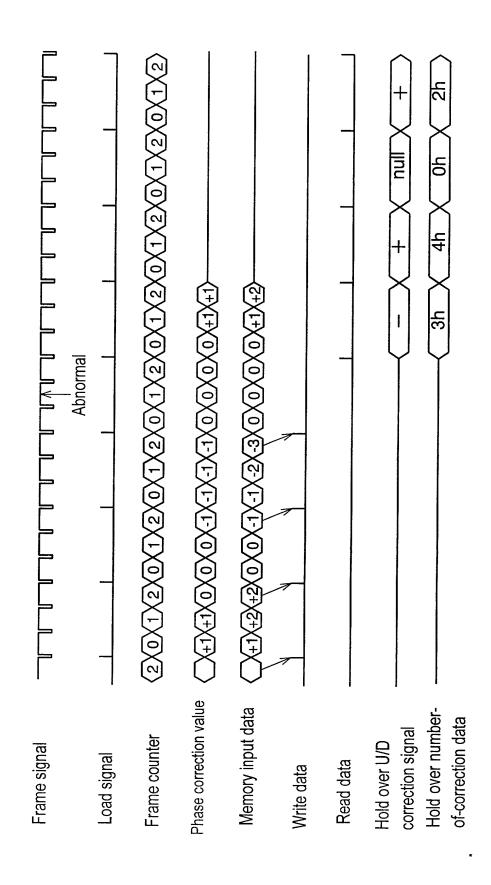
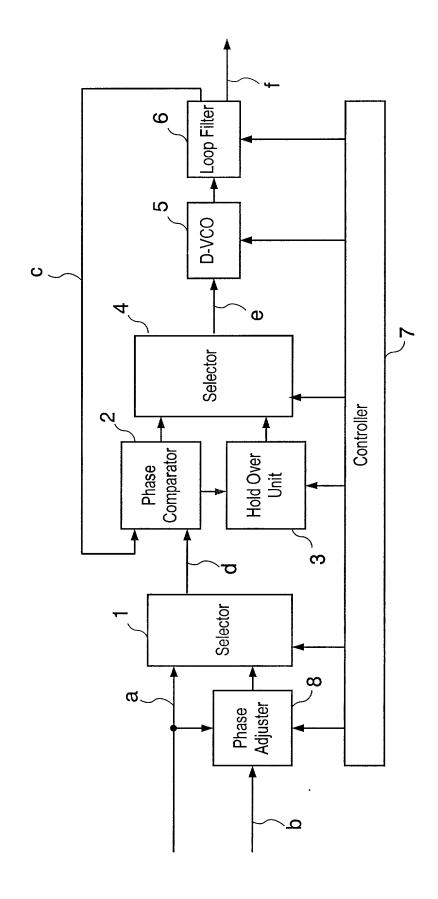
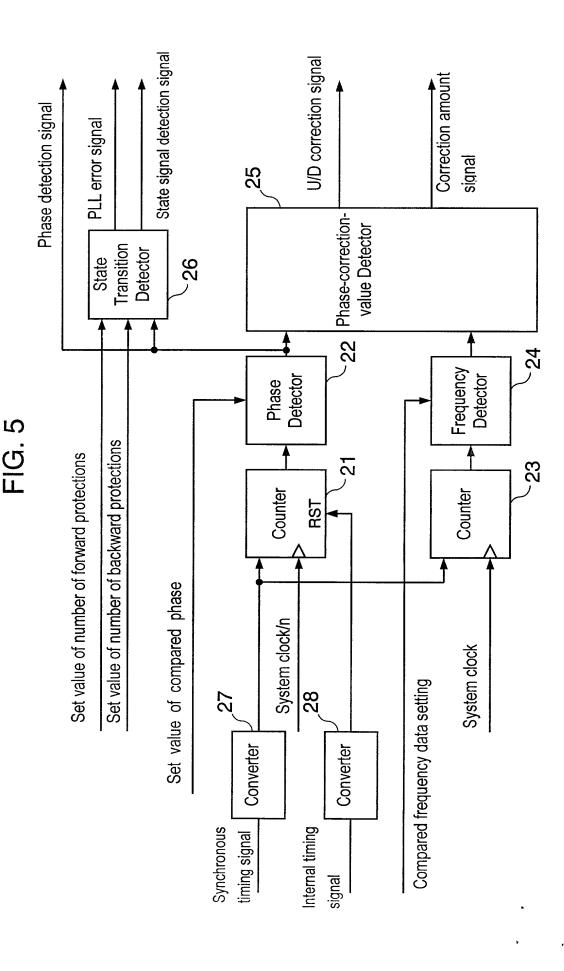


FIG. 4





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FIG. 6

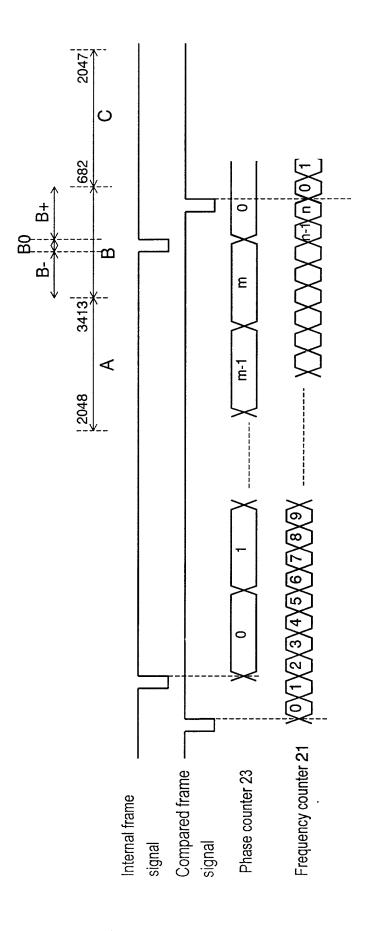
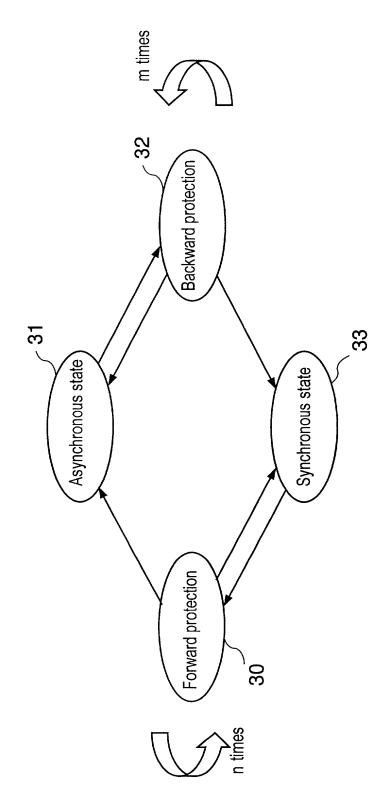


FIG. 7



## FIG. 8

| 품 3 | Phase detector 22<br>(Count value) | Frequency detector 24 (Count value) | Phase-correction-<br>value Detector 25 | Supplemental remarks                                       | Determination |
|-----|------------------------------------|-------------------------------------|--|--|---------------|
| A   | A (2048~3413)                      | -                                   | Minus correction                       | No-correction during forward protection Asynchronous state | Asynchronous  |
|     | B-                                 | ≥16384                              | non correction                         |  | Synchronous   |
|     | (3414~4094)                        | =16383                              | Minus correction                       |  |               |
|     |                                    | <16382                              | Minus correction                       |  |               |
|     | BO<br>(4095)                       | ≥16384                              | Plus correction                        |  |               |
| മ   |                                    | =16383                              | non correction                         |  |               |
|     |                                    | ≤16382                              | Minus correction                       |  |               |
| •   | <br> -<br>                         | 7,6384                              | Plus correction                        |  |               |
|     | (0~681)                            | =16383                              | Plus correction                        |  |               |
|     |                                    | ≤16382                              | non correction                         |  |               |
| Ö   | C (682~2047)                       | I                                   | Plus correction                        | No-correction during forward protection state              | Asynchronous  |
|     |                                    |                                     |  |  |               |

